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No. 20] NEW DELHI, SATURDAY, MAY 15, 1976 (VAISAKHA 25, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 15th May, 1976

CORRIGENDUM

(1)

In the Gazette of India, Part III, Section 2, dated the 7th December 1974, in page 883, column 2, under the heading "Cessation of Patents",

delete 125479.

(2)

In the Gazette of India, Part III, Section 2 dated the 25th January 1975, in page 69, column 1, under the heading "Cessation of Patents"

delete 129833.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

8th April, 1976

610/Cal/76. Lt. Col. Tikka M H S Bedi. Orthopaedic chair.

611/Cal/76. Snamprogetti S.p.A. Method for the preparation of aminoacids.

612/Cal/76. Allied Tube & Conduit Corporation. Production of polymer-coated steel tubing.

67GI/76-1

613/Cal/76. Bayer Aktiengesellschaft. Process for the preparation of opaque organic pigments.

614/Cal/76. Bayer Aktiengesellschaft. Process for the preparation of diphenylamine.

615/Cal/76. Bayer Aktiengesellschaft. 2, 5-dimethoxy-4-chloroaniline.

616/Cal/76. Solvay & Cie. Process for the polymerisation of olefines.

617/Cal/76. Premium Coke Manufacturing Co. Private Ltd. Improved process and plant for beneficiation of coking or non-coking coal.

618/Cal/76. E. I. Du Pont De Nemours and Company. Process for preparing a synthetic polymer filament. [Divisional date October 12, 1972].

9th April, 1976

619/Cal/76. Council of Scientific and Industrial Research. Development and production of hydrocarbon assimilating microorganism.

620/Cal/76. J. K. Garg. Improvements in or relating to doorspring and door-closer.

621/Cal/76. Development Consultants Private Limited. Improvements in or relating to vacuum/pressure switches.

622/Cal/76. Klein, Schanzlin & Becker A. G. Forged valve body.

623/Cal/76. Snamprogetti S.p.A. Apparatus adapted to carry out the absorption of gaseous substances which involve heat with a liquid medium.

624/Cal/76. E. Kusters. Press for the application of surface pressure.

625/Cal/76. Preformed Line Products Company. Limited contact separator for linear bodies.

626/Cal/76. B. Everett Gray. Safety box toe.

13th April, 1976

627/Cal/76. Levi Strauss & Co. Method of skewing twill fabric to avoid leg twist. (May 6, 1975).

628/Cal/76. Saint-Gobain Industries. Process for the manufacture of phenol resins.

629/Cal/76. B. & J. Manufacturing Company. Tire rasp blades with renewable cutting and buffing edges.

630/Cal/76. B. & J. Manufacturing Company. Tire buffing machine blades having heat dissipation means.

631/Cal/76. J. Binder. Rake. (February 27, 1976).

632/Cal/76. Siemens Aktiengesellschaft. Improvements in or relating to housing assemblies for electrical apparatus. (September 4, 1975).

633/Cal/76. Siemens Aktiengesellschaft. Improvements in or relating to the camouflaged transmission of signals. (July 7, 1975).

634/Cal/76 F. K. Nabiullin, (2) E. M. Gertsik, (3) J. T. Rodionov and V. A. Rabinovich. Device for introducing fillers and terminal into galvanic cell.

14th April, 1976

635/Cal/76. Shri Samar Mukherjee. Improvements in or relating to transfer prints.

636/Cal/76. Stamicarbon B. V. Afterchlorinated vinyl chloride polymers.

637/Cal/76 Burlington Industries, Inc. Reactive dyeing systems using dyes with carboxylic acid groups.

638/Cal/76. The Registrar, Jadavpur University, (2) Dr. Sadhan Kumar Dutta, (3) Sanat Kumar Basu. Process for the preparation of erythromycin derivatives.

639/Cal/76. Lifting Equipments & Accessories. Improvements in or relating to crane beams.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

7th April, 1976

61/Mas/76. V. S. Srinivasan. Cooling of power transformer.

9th April, 1976

62/Mas/76. IDL Chemicals Ltd. A method of preparing slurry explosives.

ALTERATION OF DATE

139161.

28/Cal/75. Ante-dated to 15th November, 1972.

139167.

323/Cal/75. Ante-dated to 5th August, 1964

139170.

49/Mas/73. Post-dated 3rd September, 1973.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give effect

to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 129C+G+P, I.C.-B23b 27/12, B23q 15/00, 139137.

A DEVICE FOR ADVANCING A BORING TOOL HELD IN A TOOL HOLDER OF A MACHINE TOOL.

Applicants & Inventors: SMT. SHOBHA HARISH-CHANDRA KOLTE, 43/16-A, KARVE, ROAD, POONA-4, MAHARASHTRA STATE, INDIA.

Application No. 91/Bom/73 filed March 12 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

Device for advancing a boring tool held in a tool-holder for a machine tool comprising (i) a boring tool-holder having an extended threaded shank and an external taper, the boring tool being held at an angle of 45° to the longitudinal axis of the holder and the said boring tool being capable of tightening with the help of an allen screw; (ii) a sleeve having internal threading corresponding to the threading on the said shank of the boring tool holder, and the said sleeve, further having internal taper in the fore portion; (iii) a taper shank with a socket, the said socket being provided for holding the boring tool holder and the said taper shank for fitting or mounting the entire assembly in the chuck or sleeve of a machine tool characterised in that the rear end of the said tool being at an angle of 45° touches in the internal taper of the sliding threaded sleeve, the said sleeve having graduations on its circumference such that when the sleeve is advanced to a predetermined norm, the tool is also automatically pushed and tightened with the help of an allen key.

CLASS 25A & 27-I. I.C.-E04C 1/10,

139138.

AN INTERLOCKING BLOCK FOR USE IN THE CONSTRUCTION OF LOAD BEARING WALLS OR BEAMS AND COLUMNS WITH REINFORCEMENTS.

Applicant & Inventors: NAVAL SORABJI BHATHENA, "SERENE ESTATE", LULLANAGER-KONDWA ROAD, POONA-1, MAHARASHTRA, INDIA.

Application No. 233/Bom/73 filed July 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

15 Claims.

An interlocking block for use in the construction of load bearing walls or beams and columns with reinforcements, said block having an upper face and a lower face and provided with engagement members as herein described on said upper face and said lower face and/or its end faces so as to enable said block to form a firm interlocking or dovetailed joint with another similar block placed adjacent thereto end-to-end horizontally or stacked one above another vertically characterized in that in combination with said engagement members at least one of said upper face and said lower face is arched.

CLASS 74 & 119F5, I.C.-D03d 1/00, 13/00, D03J, 5/00.
139139.

A WOVEN FABRIC ADAPTED TO BE USED IN THE MANUFACTURE OF TEXTILE LOOM SHUTTLES.

Applicant : N. P. KINARIWALA PRIVATE LIMITED, OF 148 MUKTI MAIDAN, MANINAGAR, AHMEDABAD-380008, GUJARAT STATE, INDIA.

Inventor, Natverlal Purshottamdas Kinariwala.

Application No. 65/Bom/73 filed February 22, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

A fabric particularly for use in the manufacture of moulded shuttles as herein specified, said fabric having a diamond shaped pattern in which each strand along the weft consists of at least two threads twisted together while each strand along the warp consists of a number of substrands in which each substrand consists of at least two threads twisted together.

CLASS 119F5, I.C.-D03J 5/02. 139140.

TEXTILE LOOM SHUTTLES AND PROCESS FOR THE MANUFACTURE THEREOF.

Applicant & Inventors : N. P. KINARIWALA PRIVATE LIMITED, 148, MUKTI MAIDAN, MANINAGAR, AHMEDABAD 380008, GUJARAT STATE, INDIA.

Inventor, Natverlal Purshottamdas Kinariwala.

Application No. 184/Bom/73 filed May 24, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

Textile loom shuttle which consists of sidewalls made of a laminate structure of phenol formaldehyde resin impregnated fabric which fabric has unidirectional strength along the major axis of the sidewalls while the end portions of the shuttle are made of resin impregnated fabric or rags, the sidewalls partly overlying the end portion, metal tips being fitted at the end portions.

CLASS 103, I.C.-C23f 11/04. 139141.

COMPOSITION FOR REMOVAL OF RUST AND MILL SCALE FROM FERROUS STRUCTURES.

Applicants : THE CHIEF SCIENTIST, RESEARCH & DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE, GOVT. OF INDIA, NEW DELHI (INDIA).

Inventors : DR. BHABATOSH SANYAL, DR. GANGA KRISHNA SINGHANIA AND MR. DEVENDRA PRATAP SINHA.

Application No. 20/Cal/73 filed January 3, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No. drawings.

Composition for removal of rust and mill scale from ferrous structures such as structural steel works, bridges which comprises

- (i) Bentonite 25-30%
- (ii) Water 40-45%; and
- (iii) 25 to 30% of mineral acids consisting of
 - (a) Sulphuric acid-5-10% by weight of composition.
 - (b) Hydrochloric acid 15-20% weight of composition.
 - (c) Phosphoric acid 1-5% weight of composition.

CLASS 70C, I.C.-C23b 5/30. 139142.

METHOD AND APPARATUS FOR PRODUCING METAL.

Applicants : NATIONAL-SOUTHWIRE ALUMINUM COMPANY, OF P.O. BOX, 1000, CARROLLTON, GEORGIA 30117, UNITED STATES OF AMERICA.

Inventors : JOSEPH ANTHONY MURPHY.

Application No. 340/Cal/73 filed February 16, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A method of producing metal comprising providing an electrolytic bath containing dissolved oxide of the metal in a reduction cell having an anode spaced from a cathode causing direct current to flow through said bath across the anode-cathode spacing, collecting aluminum on the bottom of the reduction cell and forming an oxide crust on the surface of the bath, electrically sensing the direct voltage across the cell and determining when such voltage exceeds a given level as an indication of anode effect.

CLASS 40F, I.C.-C07b 3/00. 139143.

A REACTOR FOR CATALYTIC GASPHASE OXIDATION.

Applicants : RHEINSTAHL AG., OF AM RHEINSTAHL-HAUS 1, 43, ESSEN, WEST GERMANY.

Inventors : GUNTER ELEBRACHT AND GUNTER SIEKMANN.

Application No. 1153/Cal/73 filed May 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A reactor for catalytic gas-phase oxidation with a nest of tubes, the contact tubes of which are filled with catalyst particles held by retaining means disposed in the ends of the tubes, characterised in that the retaining means consists of a skein of wire gauze and a locking ring or clip disposed on the side of the skein of wire gauze facing the end of the tube.

CLASS 48A₁+A₄, I.C.-H01b 11/00. 139144.

A FULLY-FILLED ELECTRIC CABLE.

Applicants : INDUSTRIE PIRELLI SOCIETA PER AZIONI, OF CENTRO PIRELLI, PIAZZA DUCA D' AOSTA 3, MILAN, ITALY.

Inventors : ANTONIO PORTINARI.

Application No. 1331/Cal/73 filed June 7, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A fully-filled electric cable, comprising a core having a plurality of insulated conductors, a quantity of water-imperious filling medium filling the interstices within said core, an insulating layer surrounding said core, a screening layer surrounding said insulating layer and comprising a metal tape coated on both sides with a thermoplastics material and wrapped or wound directly around said insulating layer, and a thermoplastics sheath extruded directly over said screening layer and bonded to the coating on the outwardly-facing side of said metal tape, said insulating layer comprising a composite two-ply tape wound or wrapped around said core with one ply facing inwards and being impregnated with said filling medium and the other ply comprising thermoplastics material and being bonded to the coating on the inwardly-facing side of said metal tape.

CLASS 2A. I.C.-A61f 13/02.

139145.

SECTION-DISENGAGING ADHESIVE TAPE.

Applicants & Inventors : SHU-LIEN LIOU, AT NO. 195 CHUNG KING NORTH ROAD, SEC. 3, TAIPEI, TAIWAN, REPUBLIC OF CHINA.

Application No. 1348/Cal/73 filed June 8 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A section-disengaging adhesive tape comprising an elongated substrate, an adhesive material intermittently coating at least one side of said substrate, each coated portion of said substrate being separated by a non-adhesive portion so as to provide alternating adhesive and non-adhesive sections, and a pre-cut severable line cutting across each of said non-adhesive sections in a manner transverse to the longitudinal axis of said substrate.

CLASS 87B. I.C.-A61b 67/18.

139146.

IMPROVEMENTS IN OR RELATING TO SHUTTLECOCKS OF THE TYPE HAVING A PLASTICS SKIRT.

Applicants & Inventors : MAURICE ROBINSON, OF "WYNYARD", FORSHAW HEATH ROAD, SOLIHULL, WARWICKSHIRE, ENGLAND AND PHILIP COXON, OF BERKSWELL CLOSE, SUTTON COLDFIELD, WARWICKSHIRE, ENGLAND.

Application No. 1370/Cal/73 filed June 12, 1973.

Convention date June 16, 1972/(28379/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A shuttlecock skirt comprising a lower skirt and an upper skirt, at least the upper skirts being resilient and comprising a plurality of radially spaced longitudinally extending stems which are of channel section over at least a portion of their length, said channel section being open radially inwardly towards the main axis of the shuttlecock and being symmetrically disposed relative to a radial line passing through said main axis and the centre line of said hollow section.

CLASS 32E. I.C.-C08f 9/00.

139147.

POLYMERIZATION PROCESS.

Applicants : THE FIRESTONE TIRE & RUBBER COMPANY, OF 1200 FIRESTONE PARKWAY, AKRON, STATE OF OHIO 44317, UNITED STATES OF AMERICA.

Inventors : ADEL FARHAN HALASA.

Application No. 1457/Cal/73 filed June 22, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings.

A process for the polymerisation of a monomer composition containing at least 40 per cent conjugated diene, which process comprises maintaining the monomer composition in intimate contact with a catalyst composition consisting essentially of :—

(a) a lithium hydrocarbon selected from lithium alkyls, lithium aryls, lithium aralkyls and lithium alkaryl;

(b) a secondary alkyl chloride selected from secondary butyl chloride, secondary aryl chloride and isopropyl chloride; and

(c) a divinyl aryl compound.

the concentration of said catalyst composition comprising 0.1-2 millimoles of lithium hydrocarbon per 100 grams of said monomer composition, said secondary alkyl chloride being present in said catalyst composition in a ratio of 0.5-3 moles per mole of lithium hydrocarbon, there being at least 0.1 millimole of said chloride per 100 grams of monomer, and said divinyl aryl compound being present in a ratio of 0.2-4 moles per mole of lithium hydrocarbon and there being at least 0.1 millimoles of divinyl aryl compound per 100 grams of monomer.

CLASS 181. I.C.-F16J 15/16.

139148.

IMPROVEMENTS IN SHAFT SEALS.

Applicants : GEORGE ANGUS & COMPANY LIMITED, OF ANGUS HOUSE, 152-158 WESTGATE ROAD, NEWCASTLE UPON TYNE-1, ENGLAND.

Inventors : DAVID ERNEST JOHNSTON AND PETER JOHN RUSSELL.

Application No. 1515/Cal/73 filed June 28, 1973.

Convention date June 29, 1972/(30417/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

5 Claims.

A rotary shaft lip seal comprising a moulded ring of elastomeric material with a sealing lip having a sealing edge defined by a moulded face on the air side of the seal, characterised thereby that the elastomeric material of the ring has a Young's modulus of between 3.5 and 8.5 MN/m² and the moulded face is concave so as to meet the sealing edge at a tangent angle of between 50° and 80° inclusive.

CLASS 181. I.C. F16j 15/10.

139149.

IMPROVEMENTS IN SHAFT SEALS.

Applicants : GEORGE ANGUS & COMPANY LIMITED, OF ANGUS HOUSE, 152-158, WESTGATE ROAD, NEWCASTLE UPON TYNE, ENGLAND.

Inventors : DAVID ERNEST JOHNSTON AND PETER JOHN RUSSELL.

Application No. 1516/Cal/73 filed June 28, 1973.

Convention date June 29, 1972 (30418/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A rotary shaft lip seal comprising a moulded ring of elastomeric material with a sealing lip having a sealing edge defined by a moulded face, on the air side of the seal, moulded with positive action ridges having an even number of vane surfaces obliquely meeting the sealing edge in opposited circumferential directions at a small angle, characterised by the feature that the moulded face is convex so as to meet the sealing edge at a sharply defined angle.

CLASS 104 & 205G. I.C. B60c 25/06.

139150.

APPARATUS FOR HOLDING AN UNCURED PNEUMATIC TYRE.

Applicants : McNEIL CORPORATION, OF 96 EAST CROSSIER STREET, AKRON, SUMMIT COUNTY, OHIO 44311, UNITED STATES OF AMERICA.

Inventors : GARY RAYMOND GETZ.

Application No. 1622/Cal/73 filed July, 11, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

17 Claims.

Apparatus for holding an uncured pneumatic tire comprising a support extending from and removably mounted in a mount, plate means extending around and carried by said support for receiving one bead of the tire, means for adjust-

tably positioning said plate means to locate the plate means at a preselected position along the support and expansible means carried by said support and expansible for contacting the interior surface of the tire from substantially said one bead to the other bead.

CLASS 157D, I.C. EO1b 35/00.

139151.

DEVICE FOR CORRECTING GAUGES OF RAILWAY TRACK.

Applicants: FRANZ PLASSER, BAHNB AUMASCHEN-INDUSTRIEGESELLSCHAFT m.b.H., OF JOHANNESGASSE 3, VIENNA-1, AUSTRIA.

Inventors: ING. JOSEF THEURER.

Application No. 2175/Cal/73 filed September 25, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

4 Claims

A device for correcting gauge of railway tracks for attachment to combined tamping, aligning and, optionally leveling tamping machines, consisting of two pairs of guide rollers which each engage a rail on both sides and are arranged on a pincer-like hydraulically operable lever assembly mounted on a supporting frame of the machine, wherein the two guide rollers provided on the outside of the track and the two guide rollers providing on the inside of the track are each designed to be pressed against the rails around which they engage by means of a longitudinally adjustable rod, more particularly by, means of a pull rod and a push rod, a hydraulic piston and cylinder drive being provided in each of the two rods.

CLASS 93, I.C. C04b 5/02.

139152.

APPARATUS FOR COMMINUING THE SLAG FORMED IN THE GASIFICATION OF SOLID FUELS.

Applicants: KRUPP-KOPPERS GESELLSCHAFT MIT BESCHRANKTER HAFTUNG (FORMERLY KNOWN AS HEINRICH KOPPERS GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF MOLTKESTRASSE 29, 43 ESSEN, WEST GERMANY.

Inventors: WILHELM HAVERKAMP.

Application No. 2198/Cal/1973 filed September 29, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

5 Claims.

Apparatus for continuing pieces of slag in a water bath receiving slag formed in the gasification of solid fuels with oxygen containing gases, such apparatus comprising a rotatable tubular member disposed coaxially in the outlet of a slag collecting chamber accommodating the water bath and the bottom part of which chamber is of conical construction, the top part of said member which projects into the said slag collecting chamber being bent and having slag passage apertures.

CLASS 14A, I.C. Holm 35/00.

139153.

TUBULAR SHEATHS FOR ELECTRODES OF STORAGE BATTERIES.

Applicants: AKTIEBOLAGET TUDOR, OF 105 28 STOCKHOLM, SWEDEN.

Inventors: ERIC WESTBERG, JOHN ANDERSSON AND ERIC SUNDBERG.

Application No. 2626/Cal/73 filed November 28, 1973.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules 1972) Patent Office Calcutta.

14 Claims.

A method for the production of a sheath for a tube-type electrode of a storage battery in which the sheath retains active material around a central conductor which sheath comprises a fibrous material and has only one or only both ends thereof

reinforced with a thermoplastic material which is mechanically bonded to the fibrous material, the method comprising contacting only one or only both ends of the sheath, prior to the incorporation thereof in said tube-type electrode, with a thermoplastic material which is either in molten state or which is in solid state and is thereafter melted to bond it to the fibrous material.

CLASS 127-I, I.C. F16h 23/00.

139154.

SPEED AND/OR DIRECTION CHANGE DEVICE.

Applicants: ROBERT DAVIDSON, JR., OF HADLOW, SOUTH CANTERBURY NEW ZEALAND, WHOSE POSTAL ADDRESS IS HADLOW, NO. 4 R. D. TIMARU, NEW ZEALAND.

Inventors: ROBERT DAVIDSON JR.

Application No. 2813/Cal/73 Filed December 26, 1973.

Convention date 27th December, 1972 (167927/72) New Zealand.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

19 Claims.

A speed and/or direction change device comprising in combination, a wobbling member adapted for orderly cyclic wobbling about a wobble centre and having a contact surface, means for imparting an orderly cyclic wobbling motion as hereinbefore defined to the wobbling member, and a rotor having a contact surface, the rotor being rotatable relative to said wobbling member so that, under said orderly cyclic wobbling of the wobbling member, the contact surface of the rotor is progressively engaged by the contact surface of the wobbling member at a circularly moving locus of contact.

CLASS 84C, I.C. C10L 5/00, 9/08, 10/06.

139155.

IMPROVED PROCESS FOR REFINING CARBONACEOUS FUELS.

Applicants: GULF OIL CORPORATION, OF GULF BUILDING, 7TH AVENUE AND GRANT STREET, PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors: WILLARD CLARE BULL AND BRUCE KARL SCHMID.

Application No. 826/Cal/74 filed April 11 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A solvation process for preparing a substantially ash-free solid carbonaceous fuel from a charge consisting essentially of coal containing ash, an aromatic solvent, a carbon monoxide-containing gas stream with or without hydrogen content and with or without added water, characterized by

(a) dissolving in the aromatic solvent at least a portion of the carbonaceous fuel fraction of the coal at a temperature within the range of about 370° to 510°C and a gauge pressure within the range of about 35 to 350 kg/cm² in contact with about 0.095 to 2.5 standard cubic metres of carbon monoxide and about 0.2 to 1.5 kg of steam per kg of dry coal,

(b) establishing the dissolving conditions to that the relative viscosity of the solution measured at 99°C rises to a value at least 20 times the viscosity of the solvent alone measured at 99°C due to extraction of carbonaceous fuel from the coal by the solvent added and then falls to a value below 10 times that of the solvent alone measured at 99°C due to depolymerization of said carbonaceous fuel the dissolving conditions permitting the relative viscosity of the solution to again rise above 10 with increased dissolving time due to re-polymerization of said carbonaceous fuel but terminating dissolving conditions which permit the relative viscosity to again rise above 10,

(c) separating the undissolved portion of the coal from the solution.

(d) recovering by a method such as herein described an upgraded substantially ash-free carbonaceous fuel from the solution; and

(e) solidifying the fuel by cooling.

CLASS 32F_{2a}, I.C.-C07C 103/00.

139156.

MANUFACTURE OF CONCENTRATED AQUEOUS (METH) ACRYLAMIDE SOLUTIONS BY CATALYTIC ADDITION OF WATER TO (METH) ACRYLONITRILE.

Applicants : BASF AKTIENGESELLSCHAFT, AT 38, CARL-BOSCH-STRASSE, 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : TONI DOCKNER AND ROLF PLATZ.

Application No. 831/Cal/74 filed April 11, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

1 Claim. No Drawings.

A process for the manufacture of concentrated aqueous (meth) acrylamide solutions by catalytic addition of water to (meth) acrylonitrile, wherein (meth) acrylonitrile is reacted with water in an aqueous solution of (meth) acrylonitrile and (meth) acrylamide at elevated temperature in contact with a heterogeneous catalyst and at an initial ratio of amide to nitrile of from 1 : 1 to 1 : 7, and, if desired, unreacted nitrile is separated from the reaction solution.

CLASS 172D₁, I.C.-D01h 13/00.

139157.

SPINNING MACHINE SECTIONS AND A SPINNING MACHINE COMPOSED OF SUCH SECTIONS.

Applicants : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF 8070, INGOLSTADT, FRIEDRICH-EBERT-STRASSE 84, WEST GERMANY.

Inventors : BRUNO BYSTRON.

Application No. 1013/Cal/74 filed May 4, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A spinning machine section having frame walls and longitudinal components, the frame walls supporting the longitudinal components and being connected to them by connecting elements which are resilient in the longitudinal direction of the longitudinal components.

CLASS 104J, I.C.-C08h 15/06.

139158.

A PROCESS FOR PREPARING A SYNTHETIC WOOD.

Applicants : SEKISUI KASEIHIN KOGYO KABUSHIKI KAISHA, OF 25, 1-CHOME, MINAMIKYOBATE-CHO, NARA-SHI, NARA-KEN, JAPAN.

Inventors : SHIGENARI SODA AND MOTOSHIGE HARASHI.

Application No. 1317/Cal/74 filed June 15, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

In a process for preparing a foamed thermoplastic article in which a foamable thermoplastic resin is passed through an orifice of a die and is permitted to expand after passing through said orifice, the improvement comprising

(a) passing the foamable thermoplastic resin through an orifice, the outer periphery of which contains a plurality of recesses,

(b) allowing the resin to expand to form a soft-surfaced porous shaped article having peaks and valleys corresponding to the recesses of the orifice, and

(c) pressing the surface of said article so as to level the peaks and to provide a smooth-surfaced shaped article having a surface structure characterized by high density portions corresponding to said peaks and low density portions corresponding to said valleys.

CLASS 116B, I.C.-B65g 53/04.

139159.

HANDLING STATION OF AN INSTALLATION FOR THE PNEUMATIC TRANSPORTATION OF CONTAINERIZED GOODS.

Applicants : SPETSIALNOE KONSTRUKTORSKOE BJURO "TRANSNEFTEAV TOMATIKA", PEROVSKY PROEZO, 3, MOSCOW, USSR.

Inventors : ADDLF MORITSOVICH ALEXANDROV (2) VLADIMIR EFIMOVICH AGLITSKY (3) ALEXANDR IVANOVICH GUBINSKY (4) ILYA SOLOMONOVICH KANTOR, (5) AVTANDIL SEMENOVICH KAKHNIASH-VILJ (6) IPPOLIT DAVIDOVICH SULADZE AND JURY ABRAMOVICH TSIMBLER.

Application No. 1465/Cal/74 filed July 1, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A handling station of an installation for the pneumatic transportation of containerized goods along a pipeline comprising a stationary cylindrical chamber having at least one loading opening; a portion of said pipeline extending in said chamber, said portion having at least one loading opening; said portion being mounted for rotation about its geometrical axis so as to bring in register said loading openings on said portion and said cylindrical chamber during the loading of said containers; a cover closing the loading opening of said chamber, said cover being located at the inner side thereof and mounted for radial movement; an actuating jack for radially moving said cover, said jack having a stationary member attached to said portion and a movable member connected to the said cover means for rotating said portion about the geometrical axis thereof.

CLASS 8 & 81, I.C.-E21f 17/18.

139160.

IMPROVEMENTS IN OR RELATING TO FIRE DETECTORS.

Applicants : ANGIOR SOCIETE ANONYME OF 14, RUE ALDRINGEN, LUXEMBOURG.

Inventors : TIMOTHY JOHN NEWINGTON AND LOURENS PETRUS SWANEPOEL.

Application No. 2188/Cal/74 filed September 28, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A fire detector including a smoke chamber adapted to be at a first electrical potential, at least one element made of an insulating material located in and attached to the chamber, an electrical grid located in the chamber and supported therein by the insulating element, the grid being adapted to be at a second electrical potential, and at least one electrically conductive element surrounding the insulating element and circumferentially in contact therewith, the electrically conductive element being adapted to be at the second electrical potential to prevent leakage currents from the grid to the chamber via the insulating element.

CLASS 39L & 40F, I.C.-B01j.

139161.

PROCESS FOR PREPARING FLAME-RETARDANT PLASTIC COMPOSITION.

Applicants & Inventors : HENRY GEORGE PETROW, OF 33, CONCORD AVENUE, CAMBRIDGE, MASSACHUSETTS, UNITED STATES OF AMERICA AND ROBERT JOSEPH ALLEN, OF 130 ADAMS AVENUE, SAUGUS, MASSACHUSETTS, UNITED STATES OF AMERICA.

Application No. 28/Cal/75 filed January 6, 1975

Division of Application No. 1914/72 filed November 15, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for preparing a flame-retardant plastic composition mixing a colloidal sol Sb_2O_3 having colloidal particle size ranging from substantially 20 Angstroms to 1/10 microns and a compound selected from the group consisting of polyvinyl halide, polyvinylidene halide and copolymers and mixtures of the same.

CLASS 32F₁+F₂b & 55E₁+E₄, I.C.-C07d 99/14, C07d 99/24.

139162.

PROCESS FOR THE PREPARATION OF SEMI-SYNTHETIC PENICILLINS.

Applicants: AMERICAN HOME PRODUCTS CORPORATION, OF 685, THIRD AVENUE NEW YORK 10017, NEW YORK, UNITED STATES OF AMERICA.

Inventors: JOHN HAMILTON SELLSTEDT.

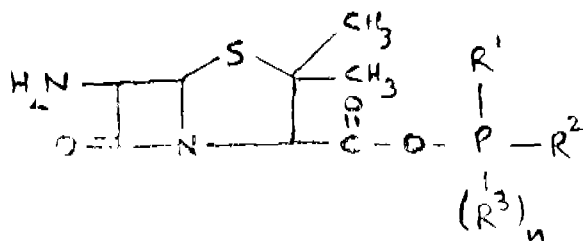
Application No. 901/Cal/73 filed April 17, 1973.

Convention date April 22, 1972/(18795/72) U.K.

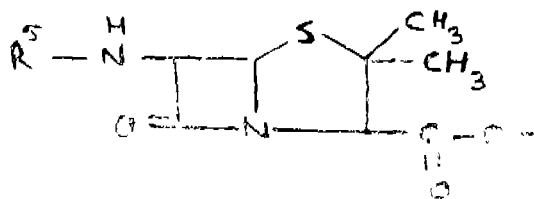
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

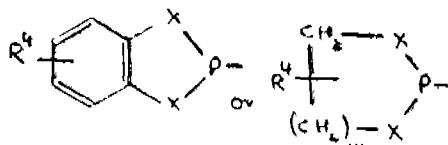
A process for preparing a semisynthetic penicillin which comprises reacting a hydrohalide salt of a compound of the formula as shown in Fig. (I).



wherein R^3 is oxygen ($=O$) when the phosphorus atom is pentavalent: n is 0 or 1 R^1 and R^2 are the same or different and represent (lower) alkoxy, (lower) alkylthio, aryloxy, arylthio, aryl (lower) alkoxy, aryl (lower) alkylthio halogen, (lower) alkyl, aryl, a yl (lower) alkyl, halo (lower) alkoxy, halo (lower) alkyl or a radical of the structure as shown in Fig. (III).

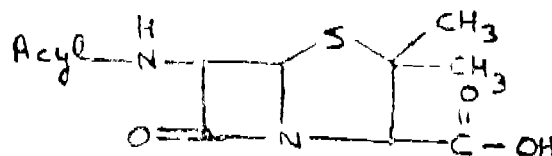


wherein R^3 is hydrogen or R^1 and R^2 are joined together to form with the phosphorus atom the ring having either of the formulae as shown in Fig. (V).



and R^3 is absent from formula (i).

wherein m is an integer from 1 to 6; X is sulphur, oxygen or methylene R^1 is hydrogen, or from one to three (lower) alkyl radicals, with an acylating agent such as herein described which is an organic carboxylic acid or a reactive derivative thereof which may contain a free amino group on the acyl radical in the presence of an acid acceptor and thereafter treating the resulting product with water to produce a free acid of a compound of the formula as shown in Fig. (VI).



wherein Acyl is an acyl radical or an acid addition salt thereof having a free amino group on the acyl radical by treatment with an acid.

CLASS 102D & 107G, I.C.-F15b 15/02.

139163.

IMPROVEMENTS RELATING TO POWER UNITS.

Applicants & Inventors: WILLIAM MAURICE BARD FITZGERALD, OF R.R. NO. 1, CLAREMONT ONTARIO, CANADA.

Application No. 481/Cal/73 filed March 5, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

39 Claims.

A power unit comprising a free piston engine having a reciprocatory power piston and a hydraulic pump piston coacting therewith, the pump piston working in a pump chamber having an inlet opening and a delivery opening, a constant displacement hydraulic accumulator connected to the pump chamber to receive hydraulic fluid therefrom during the power stroke of the engine and to return the fluid thereto during the compression stroke of the engine, a first one-way valve in the inlet opening and operable in response to the discharge of the accumulator to a predetermined minimum level to admit hydraulic fluid to the pump chamber during the compression stroke of the engine, and a second one-way valve in the delivery opening and operable in response to the charging of the accumulator to a predetermined maximum level to deliver hydraulic fluid under pressure from the pump chamber during the power stroke of the engine.

CLASS 32F₁+F₂b, & 55F₁, I.C.-C07d 99/04, C07C 123/00.

139164.

PROCESS FOR PREPARING NOVEL ACETAMIDE DERIVATIVES.

Applicants: LABAZ, OF 39 AVENUE PIERRE 1ER SERBIE, 75 PARIS 8E, FRANCE.

Inventors: MARCELL DESCAMPS AND ALEX ARESCHKA.

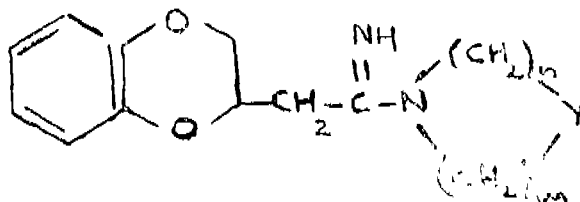
Application No. 1253/Cal/73 filed May 29, 1973.

Convention date June 1, 1972/(25697/72) U.K.

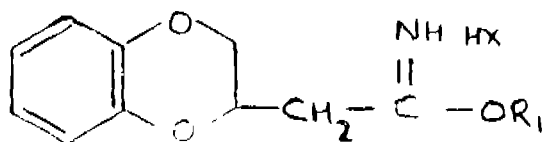
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

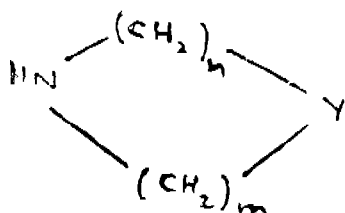
Process for preparing an acetamide derivative represented by the general formula I.



or a pharmaceutically acceptable single (mono) or double (di) acid addition salt thereof, wherein Y represents an oxygen atom, a CH_2 or $\text{CH}-\text{CH}_3$ group or a NH or substituted NH group. n represents an integer of from 1 to 3 and m represents the integer 2 or 3, which process comprises reacting in an inert organic medium an iminoester salt represented by the general formula II,



wherein R_1 represents a straight-chain lower alkyl radical containing from 1 to 4 carbon atoms and X represents the anion of a strong inorganic acid, with a secondary cyclic amine represented by the general formula III.



wherein Y, n and m have the meanings defined above, to form the corresponding salt of the required acetamidine derivative which, if required, can then either be converted to a double salt by reaction with the required quantity of the appropriate acid or be reacted with a base to give the corresponding acetamidine derivative in free base form which, if desired, can then be reacted with a stoichiometric quantity of an organic or inorganic acid to form a different single (mono) or double (di) pharmaceutically acceptable acid addition salt.

CLASS 32F₁+F₂b. I.C.-C07d 7/12.

139165.

PROCESS FOR THE PRODUCTION OF 2-AMINO-4-H PYRANE DERIVATIVES.

Applicants : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

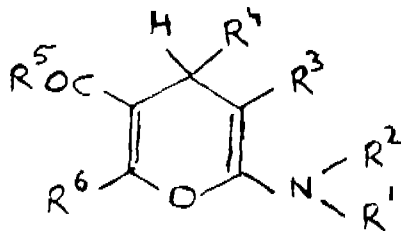
Inventors : HORST MEYER, FRIEDRICH BOSSERT, WULF VATER AND KURT STOEPEL.

Application No. 1422/Cal/73 filed June 18, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for the production of compounds which are 2-amino-4 H-pyran derivatives of the general formula I.



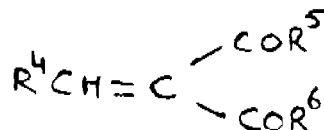
in which R^1 and R^2 are identical or different and are each a hydrogen atom or a straight-chain or branched alkyl radical; R^3 is a straight-chain or branched alkyl radical, or a phenyl radical;

R^4 is a straight-chain, branched or cyclic alkyl or alkenyl radical, or an aryl radical optionally carrying one, two or three identical or different substituent(s) selected from alkyl, alkoxy, halogen, nitro, nitrile, trifluoromethyl, carbalkoxy and

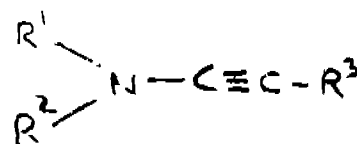
-SO_n Alkyl ($n=0, 1$ or 2) radicals, or a naphthyl, quinolyl, pyridyl, thenyl or furyl radical optionally carrying as substituent an alkyl halogen or alkoxy radical;

R^5 is a straight-chain, branched or cyclic alkyl radical; or a radical -OR'' in which R'' is a straight-chain, branched or cyclic radical consisting of a hydrocarbon chain optionally interrupted by one or two oxygen atoms and optionally containing one or more double or triple bonds; and

R^6 is a hydrogen atom or an alkyl radical; in which an α, β -unsaturated dicarbonyl compound of the general formula II.



[in which R^4 , R^5 and R^6 are as defined above] is reacted in an inert organic solvent at 10 to 200°C, with an inamine of the general formula III.



[in which R^1 , R^2 and R^3 are defined above.].

CLASS 55E. I.C.-A61K 23/00, C12K 5/00.

139166.

PROCESS FOR PREPARING AN IMPROVED VACCINE HAVING ENHANCED ANTIGENIC POTENCY.

Applicants : RECHERCHE ET INDUSTRIE THERAPEUTIQUES, R.I.T. OF 13, RUE DUE TILIEUL, B-1320 GENVAL, BELGIUM.

Inventors : ALFOMS BILLIAU.

Application No. 2053/Cal/73 filed September 7, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process for preparing an improved vaccine such as herein described in which the antigenic potency is enhanced which comprises adding thereto as an adjuvant and per dosage unit of vaccine from 1 to 200 mg. of an oxidized polysaccharide having at least 50% of the monosaccharide rings open, substantially all the open rings oxidized to be carboxylic acid state and substantially all the C-O-C linkages originally present in the original polysaccharide still intact.

CLASS 32F₁ & 55E. I.C.-C07C 169/34.

139167.

PROCESS FOR PREPARING A STEROID KETONE.

Applicants : HERCHEL SMITH, OF 500 CHESTNUT LANE, WAYNE, DELAWARE COUNTY, PENNSYLVANIA UNITED STATES OF AMERICA.

Inventors : DR. DAVID HARTLEY AND DR. GORDON ALAN HUGHES.

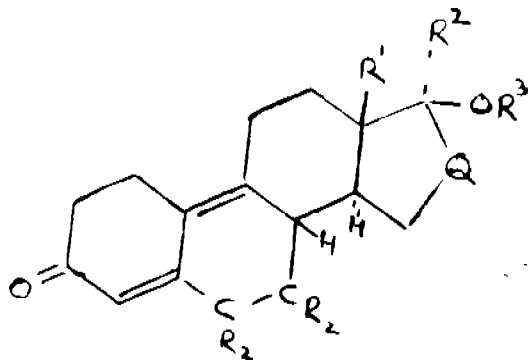
Application No. 323/Cal/75 filed February 19, 1975.

Division of Application No. 95059 filed August 5, 1964.

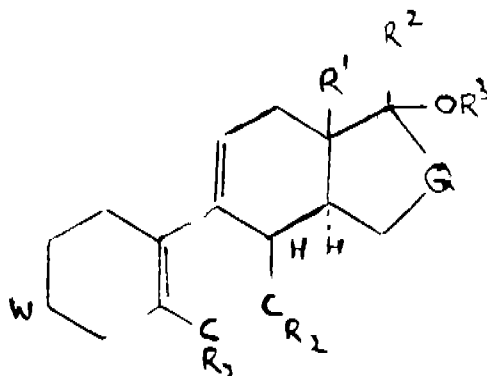
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for preparing a steroid ketone of structure (I).



where each group R is hydrogen or an alkyl group, R' is an *n*-alkyl group of from 2 to 4 carbon atoms, R'' is a halogeno-alk-1-ynyl group, R''' is hydrogen or an alkyl or acyl group, and Q is a methylene or ethylene group, in which there is hydrolysed a compound of structure (II).



where W is a ketal group or a tertiary amino group accompanied by a 3, 4-ethylenic bond and, if desired, a product where R³ is hydrogen is subsequently etherified or esterified to give a compound where R³ is alkyl or acyl and where in the acylation the 3-enol acylate is formed this is preferentially hydrolysed off.

CLASS 32-D. I.C. C07f, 3/04.

139168.

METHOD FOR PRODUCING AN EXTRACT CONTAINING THE CALCIUM SENNOSIDES FROM SENNA LEAVES AND PODS.

Applicants : DAINIPPON PHARMACEUTICAL CO., LTD., OF NO. 25 DOSHOMACHI 3-CHOME. HIGASHI-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

Inventors : HARUKI NISHIMURA AND KENSUKE NAMBA.

Application No. 1577/Cal/75 filed August, 13, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings

A method for producing an extract containing the calcium salt of sennosides, which comprises extracting senna leaves and pods with a mineral acid—contained methanol or ethanol such as herein described, adding to the extract a calcium compound such as herein described and thereby precipitating the sennosides in the form of the calcium salt thereof at a pH range of weakly acidic or weakly alkaline.

CLASS 105 B, 105 D, & 126 D. I.C. G01d 5/14.

139169.

A DEVICE FOR OPERATING A SPEED INDICATING INSTRUMENT AND AN ELECTROMAGNETIC OR ELECTROMIC COUNTER FOR RECORDING DISTANCE PROVIDED ON THE DASH-BOARD OF AN AUTOMOBILE TO INDICATE THE SPEED AND DISTANCE TRAVELLED BY THE AUTOMOBILE.

2—67GI/76

Applicants : INTERNATIONAL INSTRUMENTS PRIVATE LTD., OF 140, HOSUR ROAD, BANGALORE-34, MYSORE STATE, INDIA.

Inventor : SHEKHAR NATH CHATTOPADHYAYA.

Application No. 32/Mas/73 filed on March 5, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

A device for operating a speed indicating instrument and an electromagnetic or electronic counter for recording distance, provided on the dashboard of an automobile to indicate the speed and distance travelled by the automobile, simultaneously comprising a search coil whose ends are connectable to the said speed indicating instrument : a magnet rotatably disposed within the said search coil; a main rotatably mounted shaft, one end of which is attached to the said magnet and the other end is capable of being coupled to the wheel assembly or output end of the gear box of the automobile; a second rotatably mounted shaft one end of which is coupled to the said main shaft by a positive drive system and the other end carries a cam to actuate the electrical contacts of the said counter the arrangement between the said main shaft and the second shaft being such that when the said wheel assembly or output end of the gear box of the automobile is in motion, the main shaft rotates and moves simultaneously (i) the magnet in the search coil to produce an induced e.m.f. in the search coil and thereby energise the said speed indicating instrument to indicate the speed and (ii) the said second shaft which in turn rotates the cam to actuate the said electrical contacts and thereby energise the said counter to indicate the distance travelled by the automobile.

CLASS 143 D₁, D₂ & D₃. I.C. B65b, 1/00, 1/04, 1/24, 1/32.

139170.

AN APPARATUS FOR AND A METHOD OF RAPIDLY SOLIDIFYING A MOLTEN SUBSTANCE TO A DESIRED SHAPE FOR NON-ADHERENTLY PACKING THE SAME IN A CONTAINER.

Applicants & Inventors : PATTAMADA AYANNA CHENGAPPA, TECHNICAL THINKTANK CO., OF 19/2, CUNNINGHAM ROAD, BANGALORE-560 052, KARNATAKA, INDIA.

Application No. 49/Mas/73 filed on March, 31st, 1973.

Post date to 3rd September, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims.

An apparatus for rapidly solidifying a molten substance of the type described to a desired shape for non-adherently packing the same in a container made of a material depending upon the nature of the said substance to be packed comprising at least one mould of the desired shape disposed in cooling means characterised in that the said mould has side walls tapering divergently from its base; at least one hollow projection on the mould, the said hollow projection being closed at its upper end and open at the base; and a vent pipe leading into the said hollow projection for discharging the vapours therefrom.

CLASS 136E. I.C.-C08f 47/08.

139171.

PROCESS FOR THE PRODUCTION OF FOAMED PLASTICS BY SPRAYING METHOD.

Applicants & Inventors : VASILY DMITRIEVICH VALGIN, OF ULITSA TRUDA 18, KV. 4, VLADIMIR, USSR, VIKTOR ALEXEEVICH NOVAK, OF ULITSA ELEKTROZAVODSKAYA 6, KV. 31, VLADIMIR, U.S.S.R., AND JURY SEMENOVICH MURASHOV, OF ULITSA MIRA 92, KV. 16, VLADIMIR, U.S.S.R.

Application No. 56/Cal/73 filed January 8, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings.

A method for the production of foamed plastic articles such as herein described from the composition produced by mixing liquid phenolaldehyde condensation products of resol type, an acid catalyst and a forming agent which had been pretreated with a solvent like petroleum ether or 1, 1, 2-trifluoro-2, 2, 1-trichloroethane at a temperature not exceeding 40°C, by spraying the said composition on a surface with subsequent foaming and mixing of the composition on the said surface, characterised by introducing into the composition liquid phenol-aldehyde condensation products of novolak type in an amount of from 0.15-5.0 parts by weight per 1 part by weight of the resol type condensation product as calculated for dry products.

CLASS 63E. I.C.-H02K 9/00.

139172.

DYNAMOELECTRIC MACHINE.

Applicants: WESTINGHOUSE ELECTRIC CORPORATION, WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: SUI CHUN YING AND JAMES EDWARD LUZADER.

Application No. 28/Cal/74 filed January 4, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A dynamoelectric machine including a rotor 20 in which the rotor comprises a body portion 23 having windings 24 thereon, said windings having passages for circulation of a fluid coolant extending therethrough; a shaft portion 28 having a central axial bore 29 extending therethrough, a coolant collection chamber 37 connected to said shaft, a coolant discharge chamber 40 connected to said shaft, said shaft having a first radial passage 38 connecting said bore to said collection chamber, said shaft having a second radial passage 39 axially spaced from said first radial passage connecting said bore to said discharge chamber; means for connecting said collection chamber to the passages extending through said windings, a hollow corrosion resistant member 50 connecting said collection chamber to said discharge chamber, said hollow corrosion resistant member comprising a first radial portion 51, a second radial portion 53, and an axial portion 52 connecting said first radial portion to said second radial portion, and, means 59, 70, 80 for pre-stressing said corrosion resistant member.

CLASS 32A. I.C.-C09b 29/36.

139173.

PROCESS FOR THE PREPARATION OF NOVEL MONOAZO DYESTUFFS FAST TO HEAT.

Applicants: HOECHST AKTIENGESELLSCHAFT, BRUNINGSTRASSE, FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

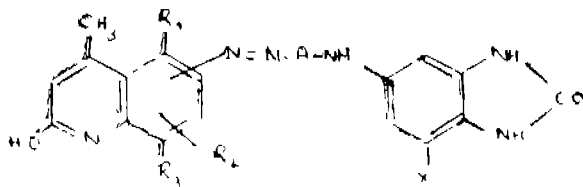
Inventors: JOACHIM RIBKA, WOLFGANG RIEPER AND REINHARD ZUNKER.

Application No. 3/Cal/73 filed January 2, 1973.

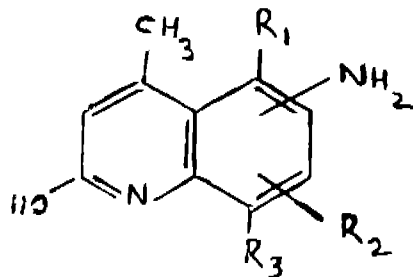
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

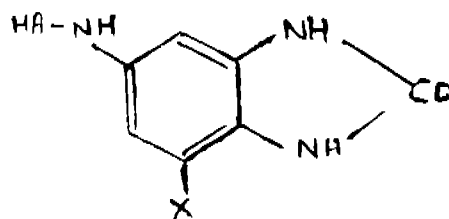
A process for preparing monoazo dyestuffs of the general formula (I).



wherein R₁, R₂ and R₃ may be identical or different and represent hydrogen, alkyl or alkoxy groups or halogen, X represents hydrogen or halogen and A represents an acetoacetyl- or 2-hydroxynaphthoyl-3-group wherein a diazotized amine of the general formula (2).



is coupled with a coupling component of the general formula (3).



wherein R₁, R₂, R₃, X and A are as defined above.

CLASS 40G, 83 & 126D. I.C.-C02b 3/02.

139174.

SENSOR-EYE FOR ULTRA-VIOLET WATER STERILIZER.

Applicants: NATURVARD RESEARCH (CANADA) LTD., OF 8449 MAIN STREET, VANCOUVER 15, BRITISH COLUMBIA, CANADA.

Inventors: WILLIAM A. SHAND AND WOLFGANG SCHERRFLIES.

Application No. 1932/Cal/73 filed August 22, 1973.

Convention date August 23, 1972/(150,080/72) CANADA.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A sensor-eye comprising:

(a) a hollow member having two opposite ends each defining a seat with an open base, the member defining a plenum communicating with the bases; the plenum having a central cross-sectional area larger than the area the respective bases;

(b) sealing members mounted in the respective seats;

(c) windows mounted in said seats over said sealing members;

(d) an ultra-violet transmissive fluid disposed within the plenum between the two windows; and

(e) means urging the windows against the sealing means and seats to constrain the fluid within the hollow member.

CLASS 94A. I.C.-B02C 17/00.

139175.

MILL, PARTICULARLY TUBE MILL OR BALL MILL.

Applicants: OSTERREICHISCH-AMERIKANISCHE MAGNESIT AKTIENGESELLSCHAFT, OF 9545 RADENTHEIN, AUSTRIA.

Inventors: DIPL.-ING. DR. ERICH EIGNER.

Application No. 2189/Cal/73 filed September 27, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A mill, particularly a tube mill or ball mill, which has a polygonal, preferably square cross-section with rounded corners and straight or less strongly curved sides, and in which the grinding action is performed by the falling and rolling motion of the filling consisting of the grinding elements and the material to be ground, the size of the grinding elements is only a small fraction of the side length of the basic cross-section of the mill, the interior of the mill is lined with liner plates arranged in a series of annular courses arranged one behind the other in the longitudinal direction of the mill, and individual annular courses formed by these plates are angularly displaced or offset relative to each other, preferably by equal angles, and wherein the annular courses of the mill comprise plates ($f_1 \dots f_n$ or $f'_1 \dots f'_n$ respectively) which have inside surfaces that are inclined toward the interior of the mill and in the direction of travel of the material being ground.

CLASS 64B₁, I.C.-H01R 7/00.

139176.

PANEL BOARD ELECTRICAL CONNECTOR.

Applicants: BUNKER RAMO CORPORATION, OF 900 COMMERCE DRIVE OAK BROOK, ILLINOIS, UNITED STATES OF AMERICA, INCORPORATED IN THE STATE OF DELAWARE UNITED STATES OF AMERICA.

Inventors: DONALD WALTER YUDIS.

Application No. 2243/Cal/73 filed October 9, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An electrical connector adapted for connection to a panel board having at least one row of terminal pins mounted on and extending therefrom and a flat ground conductor rail mounted on the panel board adjacent to and parallel with said row of terminal pins, one of said electrical connectors being provided for each of said pins, said connector comprising: a pair of box-type electrical contacts, each of said contacts having a center section with a base and an arm projecting at a substantial right angle from each of said base, a contact section formed from extensions in a first direction of each of said arms which extensions are bent back on themselves to form said extensions into a pair of cantilevered facing spring fingers, a section adapted for connection to an electrical conductor, said section being formed from an extension of said center section in a direction opposite said first direction, and at least one locking tab extending from said center section and angled away from said contact section; and a molded housing of an insulating material having twin longitudinal cavities each dimensioned to receive one of said contacts, the upper end of each of said cavities being open to permit the contact to be inserted in the cavity, the lower end of one cavity having a hole dimensioned to permit a terminal pin to pass therethrough, the lower end of the other cavity having a rail receiving slot, and at least one opening in a wall of each cavity positioned to have the locking tab of a contact in the cavity fit therein when the contact is properly positioned in the cavity with its contact section adjacent the cavity hole or slot, the housing of each connection having at least one projection formed on one side thereof and mating recesses for said projections formed on the other side thereof, said connectors being secured to each other by press fitting a projection on one connector into a corresponding recess of an adjacent connector.

CLASS 104A, I.C.-C08d 5/00.

139177.

RECOVERY OF EMULSION POLYMERS.

Applicants: POLYSAR LIMITED, OF SARNIA, ONTARIO, CANADA.

Inventors: NATHAN JOHN MCCracken, JOHN GABRIEL CRUZ AND KLAAS TEBBENS.

Application No. 2476/Cal/73 filed November 12, 1973.

Convention date November 17, 1972/(156.776/72) CANADA.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A process for recovering a polymer of an olefinically unsaturated compound from a latex of said polymer which comprises

(a) contacting said latex with steam to produce a multi-phase dispersion;

(b) subjecting the multi-phase dispersion to a turbulent flow,

(c) introducing said turbulently flowing dispersion into a liquid medium whereby the latex phase in said dispersion forms discrete polymer particles suspended in said medium; and

(d) separating said particles from said medium

CLASS 166A, I.C.-B63g 8/04.

139178.

IMPROVEMENTS IN OR RELATING TO A SUPPORT ARRANGEMENT FOR A CONSTRUCTION INTENDED FOR MARINE OR SUBMARINE INSTALLATION.

Applicants: AB VALTENBYGGNADSBYRAN, OF LINNEGATAN 2, S-102 41 STOCKHOLM, SWEDEN.

Inventors: MR. BENGT BROMS, MR. AKE LINDSTROM AND MR. IAN LARSEN.

Application No. 951/Cal/74 filed April 26, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A foundation or support arrangement suitable for being secured to the lowermost surface of a construction intended for marine or submarine installation or suitable for being secured to one of the lowermost surfaces of a number of legs for supporting a construction intended for marine or submarine installation, said foundation or support arrangement comprising a plurality of downwardly directed support elements which are arranged to define one or more cells or spaces therebetween, said cells or spaces being open at the bottom, said support elements being arranged to penetrate into any deposits present on the bottom of a sea or lake when the construction is positioned on the bottom of said sea or lake bed the said deposits being received in said cells or spaces to a degree dependent on the contour of the sea or lake bottom.

CLASS 53F & 35E, I.C.-B22d 9/02

139179.

A METHOD OF PREPARING SELF-HARDENING FOUNDRY MOUNDS AND CORES.

Applicants: TSFENTRALNY NAUCHNO-ISSLEDOVATELSKY INSTITUT TEKHOLOGII MASHINOSTROENIA, SHARIKOPODSHIPNIKOVSKAYA ULITSA, 4, MOSCOW, USSR.

Inventors: IULY MOISEVICH JUNOVICH, (2) SERGEI SEMENOVICH ZHUKOVSKY, (3) LEV GIRSHOVICH SUDAKAS, (4) LJUDMILA IVANOYNA TURKINA, (5) ANATOLY ILICH SMIRNOV, (6) ABRAM MOISEVICH AND SERGEI DMITRIEVICH TEPLYAKOV.

Application No. 1153/Cal/74 filed May 25, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims. No drawings.

A method of preparing self-hardening foundry moulds and cores comprising mixing moulding sand, orthophosphoric acid, a ferrous oxide-containing material and at least one compound selected from the group consisting of a water-soluble salt of an alkali metal or ammonium with a carboxylic acid having a dissociation constant not exceeding 10^{-4} , a water soluble salt of an alkali metal or ammonium with an isopolyacid formed by a chromium subgroup metal, manganese oxide

and urea, the proportion of the components ranging from 0.05 to 5.0 parts of the weight of the moulding sand, the shaping of said moulds and cores from the mixture obtained and holding them in air for selfhardening.

CLASS 119D+F. I.C.-D03h 47/16, D03h 47/24. 139180.

IMPROVED LOOM OF THE SHUTTLELESS TYPE.

Applicants & Inventors : GIOVANNA MARTINELLI, VIA TONALE, 14, LEFFE (BERGAMO), ITALY.

Application No. 2082/Cal/74 filed September 18, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An improved loom comprising on the sliding surface respectively of the guide head and traction head, moved by tapes, at least a pair of magnetic tracks aligned according to the desired path, associated to electromagnetic means for their magnetization, and plates, carried respectively by said heads, capable of coupling with said tracks being thus guided according to said desired path.

CLASS 32F**b**. I.C.-C07d 51/62. 139181.

A METHOD OF PREPARING PTERIDINE DERIVATIVES.

Applicants : THE WELLCOME FOUNDATION LIMITED, OF 183-193 EUSTON ROAD, LONDON, N.W. 1, ENGLAND.

Inventors : HAMISH CHRISTOPHER SWAN WOOD, NORMAN WHITTAKER IRENE STIRLING AND KYUPOHTA.

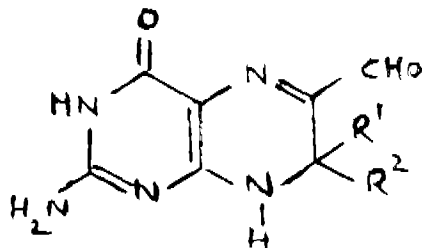
Application No. 208/Cal/74 filed January 31, 1974.

Convention date February 1, 1973/(5186/73) U.K.

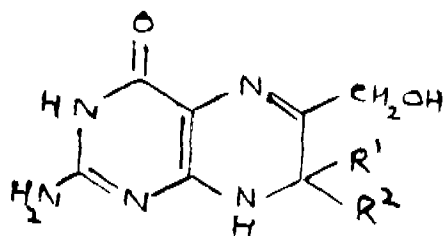
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A method of preparing pteridine derivatives of formula (I).



or a tautomeric form thereof or a salt thereof such as herein described wherein R and R¹ and R² are the same or different and each is a lower alkyl group or R¹ and R², together with the carbon atom in the pteridine ring structure, form a spiro-cycloalkyl ring system having 4 to 6 carbon atoms outside the pteridine ring structure, characterised by the selective oxidation in a manner as hereinbefore defined of a compound of formula (II).



wherein R¹ and R² are as defined above and, if desired, converting the products thus obtained into a pharmaceutically acceptable salt in a known manner such as hereinbefore described.

CLASS 56E & 140B₃. I.C.-B01d 3/40.

139182.

PROCESS FOR REMOVING VINYL AROMATIC HYDROCARBONS.

Applicants : SNAMPROGETTI S.P.A. OF CORSO VENEZIA 16, MILANO, ITALY.

Inventors : ALESSANDRO GINNASI, ALESSANDRO VEIERE AND PIERANTONIO MARTERA.

Application No. 2565/Cal/73 filed November 21, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for separating a vinyl aromatic hydrocarbon from the other components of a hydrocarbon mixture containing the vinyl aromatic hydrocarbon, at least one other aromatic hydrocarbon and optionally at least one non-aromatic hydrocarbon, which process comprises subjecting the hydrocarbon mixture to extractive distillation in the presence of an extraction solvent mixture which comprises at least one polar solvent having a boiling point of at least 150°C and water in the range of from 1% to 30% by weight of the extraction solvent mixture, the polar solvent or solvents being selected from aldolmorpholines and keto-morpholines, sulpholane and N-methyl pyrrolidone.

CLASS 107h. I.C.-F02m 61/00.

139183.

FUEL INJECTOR.

Applicant & Inventors : VERNON DAVIS ROOSA, OF 184 WOOD POND ROAD, WEST HARTFORD, CONNECTICUT, UNITED STATES OF AMERICA.

Application No. 2585/Cal/73 filed November 23, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

In a fuel injector, a tubular body having a valve chamber, a valve guide mounting a pressure operable valve disposed in the valve chamber and a spring biasing the valve toward a valve seat having a discharge orifice, the improvement wherein the valve guide is a generally cylindrical sleeve having a stepped threaded outer surface and the end of the tubular body remote from the valve seat is provided with a mating stepped threaded surface to form an annulus therebetween, and an initially flowable sealant disposed in said annulus and compressed during assembly as the guide sleeve is assembled in the injector to fill the annulus and to force the sealant into the clearances between the threads in both directions from the annulus, the threads of the stepped surfaces of said valve guide and said tubular body being formed on the same helix but having different pitch diameters.

CLASS 98F. I.C.-F16t 1/20.

139184.

IMPROVEMENT IN A STEAM TRAP OF FREE FLOAT TYPE.

Applicant & Inventor : KATSUJI FUJIWARA, AT NO. 191, NISHITANI HIRAOKA-CHO, KAKOGAWA-SHI, HYOGO-KEN, JAPAN.

Application No. 662/Cal/73 filed March 24, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Improvement in a steam trap of the float type, comprising a main body formed with an inlet port, an outlet port, a condensate sump, and a discharge passage communicating said condensate sump with said outlet port, said main body being provided with a lid to define therein a float chamber in which a float is housed in a free state, a valve seat member being arranged across said discharge passage from a side wall of said main body to project into said condensate sump, said valve seat member being held in position by a valve seat holder, characterized in that said valve seat member (9) is provided with a valve port (10) and a passage (11) in the

axial direction and a duct (12) communicating said passage (11) with said discharge passage (5), within said valve port (10) a piston valve (15) having on its one end a pilot valve seat (16) which faces to said float (8) is disposed and on its another end a repulsion plate (17) is secured to define a pressure chamber (19) between said repulsion plate and said valve seat holder (13), said piston valve (15) is formed therein with a pilot valve port (21), and a passage (22) to communicate said condensate chamber (4) with said pressure chamber (19), thus according to the rise and fall of said float (8), the pilot valve port (21) is opened and closed to control the pressure within said pressure chamber (19), effecting the opening and closing of the piston valve (15).

CORRECTION OF CLERICAL ERRORS

Under Section 78(3) of the Patents Act, 1970, certain clerical errors occurring in the specification of patent application No. 134842 were corrected on the 5th April 1976.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

125902 130443 131516 131960 132267 132353 132755 133209
133210 133320 133374 133428 133490 133590 133604 133633
133678 133797 133831 133888 133913 134001 134056 134105
134149 134151 134181 134312 134316 134564 134606 134703
134753 134782 134953 134956 134991 135007 135341 135607
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PATENTS SEALED

80367 86393 87850 87910 91285 93538 95515 100901 104751
105407 105661 108632 110178 110558 117172 117251 117420
118812 119663 120606 126027 126828 126977 127950 127951
132309 134964 135187 136777 137036 137192 137396 137471
137963 138029 138030

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by the Boots Company Limited in respect of patent application No. 80534 as advertised in Part III, Section 2 of the Gazette of India dated the 20th December 1975 have been allowed.

APPLICATION FOR SETTLEMENT OF THE TERMS OF LICENCE UNDER SECTION 88(2)

An application for settlement of the terms of Licence under Section 88(2) of the Patents Act, 1970 has been filed by Catalysts and Chemicals India (West Asia) Limited in respect of Patent No. 77950.

PERMISSION TO WORK THE PATENTED INVENTION UNDER SECTION 88(4)

An application for permission to work the patented invention under Section 88(4) of the Patents Act 1970 has been filed by Catalysts and Chemicals India (West Asia) Limited in respect of Patent No. 77950.

RENEWAL FEE PAID

76904 78001 78818 80528 81780 81785 81860 81886 82138
82247 82301 82520 82596 82833 82876 83077 83274 83275
83276 83464 83589 84325 84336 84337 85022 86391 86784
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137156 137160 137161 137168 137173 137174 137176 137184
137185 137193 137194 137276 137347 137446 137470 137472

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 127491 granted to Centre Stephanois De Recherches Mecaniques Hydiromecanique Et Frottement, for an invention relating to a process and apparatus for decorticating solid porous bodies. The patent ceased on the 10th July, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 1st May, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 15th July, 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 143671, 143672 & 143673. M. M. Industries, of Hampton Court, Nathalal Parekh Marg, Bombay-400005, Maharashtra State, India, an Indian proprietary concern, "An apparatus for marking symbols on a tape". December 16, 1975.

Class 3. No. 143593. Kishanchand Dhuramdass Mansukhani, E-3, Premkunj Society, Naranpura, Ahmedabad-380013 (Gujarat State) India, Indian, "Wall plug". November 21, 1975.

Class 3. Nos. 143674, 143675 & 143676. M. M. Industries, of Hampton Court, Nathalal Parekh Marg, Bombay-400005, Maharashtra State, India, An Indian proprietary concern, "An apparatus for marking symbols on a tape". December 16, 1975.

Class 3. No. 143715. Ram Gopal Bajaj, Indian National, 2735, Kamala Bhawan, Hansa Puri Road, Gujar

Chowk, Tri Nagar, Delhi-110035, Indian "Water taps or cocks". December 26, 1975.

Class 4. No. 143608. Manohar Lal Suri, of D-24, Defence Colony, Link Road, New Delhi-110024, India, an Indian National, "Structure for use in water courses". November 27, 1975.

Class 10. No. 143620. Amir Ahmed, trading as R. S. Gulshan Industries, 3965, Gali Khan Khanan, Ground Floor, Jama Masjid Delhi-6, Indian National, "Chappal". December 2, 1975.

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Design Nos. 138560 & 138272 Class 1.

Design No. 138255 Class 3.

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Design No. 128231 Class 3.

S. VEDARAMAN,
Controller-General of Patents, Designs
and Trade Marks